

What are the parts of a solution?

Lesson Review

Complete the following statements.

1. The _____ in a saltwater solution is salt.
2. A substance is said to _____ when it mixes with a liquid and disappears.
3. In a solution of salt and water, _____ is the solvent.
4. Milk is a solution because you _____ see the different parts of the mixture.
5. The part of a solution that dissolves is called the _____.
6. A solution is a(n) _____ mixture because the substances are mixed completely.
7. The part of a solution in which a solute dissolves is called the _____.
8. A solution is a type of _____.
9. In a sugar-water solution, _____ is the solute.
10. A(n) _____ is a mixture in which one substance dissolves in another.

Skill Challenge

Identify the solute and solvent in each of the following solutions.

Solution	Solute	Solvent
1. Salt water		
2. Sugar water		
3. Tea		
4. Water droplets in air		
5. Coffee		
6. Chocolate milk		
7. Ocean water		

How are mixtures and compounds different?

Complete the following statements.

1. Substances that make up a _____ have different properties than the original elements.
2. A _____ can be separated by physical means.
3. A molecule of salt contains one _____ atom and one chlorine atom.
4. The elements that make up a _____ are chemically combined.
5. Each substance in a mixture of sand and water keeps its own _____.
6. A _____ has a specific number of elements.
7. The substances that make up ocean water are joined _____.
8. A _____ can be homogenous or heterogeneous.
9. The substances in a _____ can be present in any amount.
10. A _____ can be separated only by chemical means.

Skill Challenge

Decide whether each statement is true for compounds or mixtures by writing an **X** in the correct boxes.

Statement	Compound	Mixture
11. Has properties that are different from the original elements		
12. Can be separated by physical means		
13. Made up of two or more substances		
14. Formed when a specific number of elements combine		
15. Elements are joined chemically		
16. Cereal is an example		
17. Made up of two or more elements		
18. Elements that form it keep their own properties		
19. Salt is an example		
20. Substances can be present in any amount		